

*TRYNIN, V.V.*

BRUMBERG, R.M., inzhener; TRYNIN, V.V., inzhener.

Impact on elastic beams with their mass distributed on two elastic supports. [Trudy] TSNITMASH no.63:208-221 '54. (MLRA 7:9)  
(Girders)

MAKOWSKI, J.; TRYNKA, B.

Effect of vitamin B12 and of its cofactors on the regeneration  
of serum proteins. Acta physiol.polon. 11 no.5/6:821-822 '60.

1. Z Zakladu Patologii Og. i Dosw. Pomorskiej A.M. w Szczecinie.  
Kierownik: doc.dr J.Makowski.  
(VITAMIN B12 pharmacol)  
(BLOOD PROTEINS pharmacol)

PROCHOROW, Maria; TRYNKA, Barbara; SAFIER, Jozef

Vitamin B12 level in the blood serum of normal and athreptic infants. *Pediat. pol.* 38 no.5:447-454 My '63.

1. Z II Kliniki Chorob Dzieci PAM w Szczecinie Kierownik: prof. dr med. B. Gornicki i z Zakladu Patologii Ogolnej i Doswiadczalnej PAM w Szczecinie Kierownik: prof. dr med. J. Makowski.

(INFANT NUTRITION DISORDERS)  
(BLOOD CHEMICAL ANALYSIS)  
(VITAMIN B12)

SAFIER, J.; TRYNKA, B.

Effect of vitamin B12 and of vitamin B12 analogues obtained through biosynthesis on the development of transplantable Guerin's cancer in rats. Acta physiol. polon. 8 no.3:518-519 1957.

1. Z Zakładu Patologii Ogólnej i Doswiadczalnej A. M. w Szczecinie.  
Kierownik: doc. dr J. Makowski.

(NEOPLASMS, experimental,

Guerin's transplantable tumor, eff. of vitamin B12 & vitamin B12 analogues (Pol))

(VITAMIN B12, effects,

exper. Guerin's transplantable tumor)

SAJKOWSKI, Janusz, mgr inz.; TRYNKIEWICZ, Jozef, mgr inz.

Results of measurements of the capacitance and other characteristics of the Polish-made 50 MW boiler-turbogenerator unit connected with the design and evaluation of line-to-earth fault protection. Energetyka Pol 19 no.3:Suppl:Biul energopomiar 11 no.2:13-16 Mr '65.

1. Electric Division of the Energopomiar Testing and Measuring Laboratory in Power Engineering, Gliwice.

TRYNKIEWICZ, Jozef, mgr.inz.

Operation analysis of the current transformers feeding the safety relays. Energetyka Pol 16 no.7:Suppl.:Energopomiar 8 no.4:25-29 JI '62.

1. Dzial Elektryczny, Zaklad Badan i Pomiarow, Warszawa.

OL'KHOVSKAYA, G.S., kandidat meditsinskikh nauk; TRYNKIN, A.P., dotsent, direktor.

Heat regulation reflex in children with rheumatism. Vop.pediat. 21 no.  
2:21-24 Mr-Apr '53. (MLRA 6:6)

1. Klinika detskikh bolezney lechebnogo fakul'teta Saratovskogo meditsinskogo instituta. (Rheumatism) (Temperature, Animal and human)

TRYNKIN, A.P., dotsent; OL'KHOVSKAYA, G.S., kandidat meditsinskikh nauk:

Nervous system function test in rheumatism in children. *Pediatria*  
no.5:28-32 S-0 '54. (MLRA 7:12)

1. Iz ka'edry detskikh bolezney (zav. dotsent A.P.Bynkin) lechebnogo  
fakul'teta Saratovskogo meditsinskogo instituta.

(RHEUMATISM, in infant and child,  
nervous system funct. test in)  
(NERVOUS SYSTEM, in various diseases,  
rheum. in child.)

TrYakIn, A.P., dotsent; Oul'na, IosEYA, G.S.

studying cortical ~~...~~ dynamics in children with rheumatic fever.  
Pediatrisia no.2:18- 2'197. (MIRA 10:10)

1. Iz kliniki detskikh bolezney (dir. - dotsent ~~...~~)  
lachebnogo fakul'teta Saratovskogo meditsinskogo instituta  
(RHEUMATIC FEVER) (NERVOUS SYSTEM)

Med. Fac.

*From Clinic, Lelidze Hosp*

TRYKHINA, Irina Aleksandrovna

Of the Question about the Receiving of (pretsipitinov) Titre

Dissertation for candidate of a Medical Science degree. Chair of Legal  
Medicine (head, prof. L.E. Leytman) Saratov Medical Institute, 1953

TRYNKINA, I.A.

Time of excretion of carbon monoxide from the body and the possibility of postmortem penetration into the blood. Sud.-med. ekspert. 2 no.3:12-14 J1-S '59. (MIRA 13:4)

1. Kafedra sudebnoy meditsiny Saratovskogo meditsinskogo instituta (zav. - dotsent I.V. Skopin [deceased]).  
(CARBON MONOXIDE--PHYSIOLOGICAL EFFECT)

TRYNKINA, I.A.

Effect of external temperature on the alcohol content of the  
blood. Sud.- med. eksper. 7 no.1:24-25 Ja-Mr'64 (MIRA 17:4)

1. Kafedra sudebnoy meditsiny ( zav. - dotsent V.Ya. Karyakin)  
Saratovskogo meditsinskogo instituta.

KARYAKIN, V.Ya; TRYNKINA, I.A.

Formation of precipitins following the action of certain drugs on the central nervous system. Zhur. mikrobiol., epidem. i immun. 27 no.3:94-97 Mr' 56. (MIRA 9:7)

1. Iz kafedry sudebnoy meditsiny Saratovskogo meditsinskogo instituta.

(ANTIGENS AND ANTIBODIES,

precipitin form., eff. of barbiturates & caffeine (Rus))

(BARBITURATES, effects,

on precipitin form. (Rus))

(CAFFEINE, effects,

same)

VAKHNEYEV, B.A., inzh.; TRYNOV, M.A., inzh.

The VPM-TaHIME felling and loading machine. Mekh.trud.rab. 11  
no.8:40-44 Ag '57. (MIRA 10:11)

(Lumbering--Machinery)

TRYNSKIY, Slavcho, general-leytenant

Commands in Russian rang out. Starsh.-serzh. no.5:34 My '62.  
(MIRA 15:6)  
(Bulgaria--World War, 1939-1945--Underground movements)

CZECHOSLOVAKIA/Farm Animals - Honey Bee.

Q-5

Abs Jour : Ref Zhur - Biol., No 7, 1958, 31026

Author : Trypes Arnost

Inst : -

Title : A Method for Marking a Queen that is Accessible to  
Every Beedeeper.  
(Sposob metki matki, dostupnyy kazhdomu pchelovodu).

Orig Pub : Vcelarstvi, 1956, 9, No 8, 118.

Abstract : A simple device for marking queens, resembling a  
match-box in its form, is described.

Card 1/1

*Trypkin, Ya. Z.*

USSR/Processes and Equipment for Chemical Industries-- K-2  
Control and measuring devices. Automatic regulation.

Abs Jour: Ref Zhur-Khimiya, No 3, 1957, 10659

Author : Trypkin, Ya. Z.  
Inst : Not given  
Title : The Calculation of Transients in Nonlinear Discontinuous  
Control Systems

Orig Pub: Avtomatika i telemekhanika, 1956, Vol 17, No 6, 500-512

Abstract: A new method is presented for the graphic solution of transients in discontinuous control systems in which the output signal of the pulse element consists of a succession of rectangular pulses of constant amplitude, the length of the pulses being proportional to the input value. For finite values of the error such systems are essentially nonlinear. As an example the author discusses a typical discontinuous control system with delayed feedback.

Card 1/1

TOMASZEWSKI, Jerzy; FISCHINGER, Ernest; TRYPUC, Mieczyslaw

Determination of the solubility isotherms of Wegscheider salt under temperatures of 90° and 100° by using the secant method. Chemia stosow A 9 no.1:29-34 '65.

1. Department of Chemical Technology of Nicholas Copernicus University, Torun. Submitted June 25, 1964.

1. TRYSKOVSKIY, V.
2. USSR (600)
4. Kerosene
7. Technology of the synthesis of film-forming ester derivatives during high-temperature kerosene oxidation. Zhur. prikl. khim. 20 no. 3, 1947.

9. Monthly List of Russian Accessions, Library of Congress, June 1953, Uncl.

TRYSZCZYLIO, W.

Some informations on Biecz.

F. 8 (TRYBYSTA) Poland, No 8, Apr. 1957.

SO: Monthly Index of East European Acquisitions (AELI) Vol. 6, No. 11, November 1957.

BARWIK-SCHRAMM, Alicja; GOLDSZTAIN, Mieczyslaw; TRYTKO, Halina;  
ZEBROWSKI, Stanislaw

Polyneuropathy in the course of reumatoid arthritis. Pol. tyg.  
lek. 20 no.25:937-938 21 Je '65.

1. Z Instytutu Reumatologicznego, Oddzial w Krakowie (Kierownik:  
prof. dr. med. A. Sokolowski) i z Kliniki Neurologicznej AM w  
Krakowie (Kierownik: prof. dr. Wl. Jakimowicz).

L 16545-66

ACCESSION NR: AN5021686

(A)

SOURCE CODE: RG/9000/65/000/168/0002/0002

AUTHOR: Trypućko, P. (Major)

15  
B

ORG: none

TITLE: An unfinished analysis

SOURCE: Zolnierz wolnosci, no. 168, 1965, 2

TOPIC TAGS: transportation equipment, transportation security

ABSTRACT: The article reports on an interview with the captain of a military automotive transportation unit who discusses his daily work program and the various maintenance phases performed by mechanics and drivers and also automotive equipment. This includes supervision of the mechanical repair shops and the analysis of the causes of automotive breakdown and accidents. It is pointed out that scrutiny of the captain's notes on past operations reveals certain maintenance and operational shortcomings, especially when the vehicles must leave the parking lot and go beyond the grounds of the barracks proper. Analysis of traffic infractions for the unit shows that only 50% of such infractions are the fault of the drivers.

Card 1/2

2

L 16545-66

ACCESSION NR: AN5021686

The inference is drawn that insofar as mechanical maintenance is concerned, something is left to be desired.

SUB CODE: 13,15

SUBM DATE: 00

ORIG REF: 000

OTH REF: 000

TS  
Card 2/2

I'IN, V.S.; TRYUFANOV, V.F.

Inclusion of methionine-S<sup>35</sup> into liver slices of rats with alloxan diabetes in a medium containing glucose or fructose. Vop. med. khim. 7 no. 1:82-85 Ja-F '61. (MIRA 14:4)

1. Chair of Biochemistry of the "S.M.Kirov" State Institute for Advanced Medical Training and Department of Biochemistry of the Institute of Experimental Medicine, Academy of Medical Sciences of the USSR, Leningrad.

(DIABETES) (LIVER) (METHIONINE)

IL'IN, V.S.; TRYUFANOV, V.F.

Incorporation of Methionine-S<sup>35</sup> in liver proteins of rats with alloxan diabetes under conditions of a block or "circumvention" of the glucokinase reaction. Vop.med.khim. 6 no.4:386-389 J1-Ag '60. (MIRA 14:3)

1. Department of Biochemistry, Institute of Experimental Medicine, the U.S.S.R. Academy of Medical Sciences, and Chair of Biochemistry of the S.M.Kirov Institute for Postgraduate Medical Training, Leningrad.

(DIABETES) (METHIONINE) (LIVER)  
(PROTEIN METABOLISM)

TRYUPANOV, V.F. (Leningrad)

Technic of histochemical determination of cholinesterase activity. Arkh. pat. 25 no.8:77-80 '63 (MIRA 1784)

1. Iz laboratorii patomorfologii (zav. - prof. G.A. Merkulov)  
Instituta toksikologii Ministerstva zdravookhraneniya SSSR.

TRYUFANOV V.F.

USSR/Industrial Microbiology

F

Abs Jour : Ref Zhur Biol., No 1, 1959, 845

Author : Tryufanov, V.F.

Inst : Leningrad Sanitary Hygienic Medical Institute

Title : Use of the Flotation Method to Detect Bacillus Excretion  
in Tuberculosis

Orig Pub : Tr. Leningr. san.-gigen. med. in-ta, 1958, 45, 99-103

Abstract : No abstract.

Card 1/1

TRYUFANOV, V.F.

Material on the incidence of tuberculosis among the adult population of Leningrad during the postwar period. Trudy ISGMI 45:251-257 '58 (MIRA 11:11)

1. Klinika legochnogo tuberkuleza Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta (zav. klinikoy - prof. Ye.Ye. Klionskiy).  
(LENINGRAD---TUBERCULOSIS)

TRYUFANOV, V.F.

Using the flotation method to detect the excretion of bacilli  
in tuberculosis. Trudy LSGMI 45:99-103 '58 (MIRA 11:11)

1. Kafedra epidemiologii Leningradskogo sanitarno-gigiyenicheskogo  
meditsinskogo instituta (zav. kafedroy - prof. V.A. Bashenin).  
(TUBERCULOSIS)  
(SPUTUM--ANALYSIS)

BULIN, N.K.; TRYUFIL'KINA, Ye.I.

Using exchange waves of the SP type recorded during near earthquakes in studying the structure of deep-seated parts of the earth's crust. Izv. AN SSSR. Ser.geofiz. no.11:1570-1579 N'60.

1. Vsesoyuznyy nauchno-issledovatel'skiy geologicheskiy institut.  
(Seismometry)

S/049/60/000/011/002/012  
D247/D305

AUTHOR: Bulin, N. K., and Tryufil'kina, Ye. I.

TITLE: Applying transformed SP waves of earthquakes recorded at short-range for studying the abyssal structure of the earth's crust

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Seriya geofizicheskaya, no. 11, 1960, 1570-1579

TEXT: The authors discuss the problems connected with distinguishing transformed SP waves from seismograms of near earthquakes, give methods for interpreting their records and report results obtained by investigating the structure of the earth's crust in south-east Turkmenia by means of SP waves. In the years 1956-58, many seismic observations were carried out in Turkmenia according to the method of transformed PS waves, recorded from near and distant earthquakes. The following instruments were used: seismographs ВЭГИК (VEGIK) and valvonometers ГК-6 (GK-6). Frequency characteristics of the stations had a maximum on the periods 0.5 - 1.0 sec. (GK-6) and 0.05 - 1.0 sec. (GB-4). The amplification was

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S/049/60/000/011/002/012  
D247/D305

Applying transformed...

20,000 - 45,000. The recording speed of oscillations was 120 - 240 mm/sec. so that an accuracy of about 0.05 - 0.1 sec. on the seismograms could be guaranteed. The analysis of the seismographic records proved that in many cases the wave S was preceded by a certain wave N, characterized by a more intensive arrival in vertical seismographs, an increased period after the arrival and a greater displacement than would usually be expected from a transversal wave. The seismic stations were situated in an area where the presence of thick sand-clay sediments was proved by geological survey. In such a case, the vertical seismograms do not exactly respond to the arrival of transversal waves, but receive very accurately longitudinal waves. Consequently, it was assumed that the N wave belongs to the type of waves which become longitudinal in the last section of wave-path, before emergence on the surface. Since the arrival of the N wave preceded the arrival of transversal waves, a definition of this wave as an SP wave was justified. Subsequent interpretation of records confirmed a coincidence in the depths of interface-horizons, where both PS and SP waves found their common reflecting surface. This interpretation was based on the time-difference which could be observed when the

Card 10 3

Applying transformed...

S/049/60/000/011/002/012  
D247/D305

proper transversal and the transformed waves were travelling along their paths. The depths of the interface surfaces were computed according to the method based on the assumption that the average speed of the waves increases continually with depth. The raygraphs of longitudinal and transversal waves were also used, (Fig. 7),  $h = f(\Delta t (SP))$ , where  $\Delta = \text{constant}$ . The average speeds were taken from other data collected during seismic survey. Another figure shows the ratio of average speed of longitudinal waves to the depths. The results of calculating the depths of interface-horizons were compared with other known data and appeared to be in good agreement. The authors conclude that the method of transformed SP waves can be applied alone or in combination with other methods by investigating the structure of the earth's crust. They recommend distances of seismic stations within 1000 - 1500 km from the epicenters of earthquakes. There are 8 figures, 2 tables and 11 Soviet-bloc references. ✓

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy geologicheskii institut (All-Union Geological Scientific-Research Institute)

Card 3/4 3

TRYUK, K: MILBERT, S: GOMLISZEWSKI, J.

Educational and didactic problems at the Department of Geodesy of  
the Academy of Mining and Metallurgy, p. 3.

PRZEGLAD NAUKOWO-TECHNICZNY, SERIA G. Krakow, Poland.  
No. 3, 1959

Monthly List of East European Accessions Index (EEAI), LC, Vol. 8, No. 11,  
November 1959  
Uncl.

RACHWAL, Tadasz; TRYUK, Krystyna

A certain geometric interpretation of curvatures of a curve situated in n-dimensional space. Geodezja AGH no.4:5-16 '63.

1. Department of Descriptive Geometry and Department of Mathematics I, School of Mining and Metallurgy, Krakow.

OSIPENKO, A.A., inzh.; TRYPHEN, A.A.

Quality of the torches used for wire mesh cutting must be higher.  
Svar. proizv. no.7:2-23 Ji '65. (MISA 18:8)

1. Rudoreznetnyy zavod tresta "Leninrada", Kriyoy Pog.

TRYUKHANOV, A.

Moving-picture Projection

How we attained success in our work. *Kinomekhanik* No. 4, 1952.

9. Monthly List of Russian Accessions, Library of Congress, June 1952 ~~1953~~, Uncl.

TRYUKHANOV, A.

Moving-Picture Projection.

How we attained success in our work. Kinomekhanik no. 4, 1952.

9. Monthly List of Russian Accessions, Library of Congress, June 195~~2~~2 Uncl.

TRUDOV, A.V.

Nervous System--Diseases

Results of dibazol therapy in certain diseases of the nervous system. Zhur. nev. i psikh. 52, n o. 4, 1952/

9. Monthly List of Russian Accessions, Library of Congress, SEPTEMBER 1952, ~~1953~~, Uncl.

TRYS, M.V.; YASHCHENKO, T.N.

Effect of spreading factor on reinforcement of immunogenic effect  
of BCG vaccine in experimental conditions. Probl. tuberk., Moskva  
no.4:13-19 July-Aug 1953. (CIML 25:4)

1. Candidates Medical Sciences. 2. Of the Department of Experimental  
Pathology (Head - M. V. Trius), Moscow Oblast Scientific-Research Tuber-  
culosis Institute (Director -- Prof. F. V. Shebanov).

TRYUS, M.V.

Present methods of laboratory diagnosis of tuberculosis. *Sovet. med.*  
16 no. 9:20-23 Sept 1952. (CML 23:3)

1. Moscow.

✓ Lying-down of crops grown on peat soils and how to pre-  
vent it. T. N. Gashov, M. V. Tsvetkova, S. I. Lyubina,  
AG and N. I. Pamitski. *Vostochnaya Zemlya*, No. 3, 32-S. Selection of the lying-down characteristics  
of crops, proper mech. treatments and water regime of the  
soil, treating the seeds before sowing with the most active  
cultures of Azotobacter, and rational nutrition of the plants  
are the main factors discussed. The stalks of grain in  
order to be able to support the grain ears have to contain  
certain amts. of cellulose and lignin, the formation of which  
in plants depends on the K and P contents of the soil. On  
peat soils 30-40 kg. granulated superphosphate and 90-100  
kg. K/ha., put into the soil approx. 15-30 cm. deep, are  
sufficient to prevent crops from lying down, provided all  
other requirements are met. E. Wiernicki

(3)

ZWIERZ, J.; CHRZANOWSKI, B.; DURLAKOWA, I.; TRZANKOWSKI, J.

Investigations on Leptospira carrier in rodents. Med.dosw.mikrob.  
2 no.2:218-219 1950 (CJML 20:6)

1. Summary of the report given at 10th Congress of the Polish Microbiological and Epidemiological Society held in Gdansk, Sept. 1949. (Wroclaw.)

ZUBER, Eustachy; TRZANKOWSKI, Jerzy

Primary recurrent thrombophlebitis. 2 case report. Pol. tyg.  
lek. 20 no.34:1291-1292 23 Ag '65.

1. Z Oddziału Wewnętrznego Szpitala Ministerstwa Spraw Wewnętrz-  
nych we Wrocławiu (Ordynator: lek. med. Jerzy Trzankowski).

TRZANKOWSKI, Jerzy; LUBCZYNSKI, Andrzej

Idiopathic familial hypercholesterolemia with xanthomatosis.  
Pol. arch. med. wewnet. 35 no.7:1043-1046 '65.

1. Z Oddziału Chorob Wewnętrznych woj. Szpitala Ministerstwa  
Spraw Wewnętrznych we Wrocławiu (Ordynator: lek. J. Trzankowski).

A. TRZASZKA-KRASUKA

15

✓ New metallized dyes, A. Trzaska-Krasuka (Inst. Dyes and Intermediates, Lodz, Poland). Przemysl Chem. 35, 333-8 (1958) (English summary).—2-Aminophenol-4-sulfonamide (I), m. 189°, was prepd. according to BIOS, Final Report 1, 155, 217. 1-Naphthylamine-7-sulfonic acid 223 g. was treated with NaOH 880 g. at 255-85° for 3.5 hrs. The mixt. was cooled to 100° by addn. of water, it was made acid with 2500 ml. of concd. HCl, and filtered hot. Pptn. with NaOH soln. gave 1-acetamido-7-naphthol (II) m. above 200° (decompn.), purity 74%, yield 50%. Cr<sub>2</sub>O<sub>3</sub>, 43.3% pure, 12.4 g. was boiled for 20 min. in 7 g. of concd. H<sub>2</sub>SO<sub>4</sub> and 85 ml. of water. Salicylic acid 19.8 g. was added and the mixt. was boiled for 10 min. Then 18 ml. of 25% NaOH, 18 ml. of 25% KOH, and 100 ml. of water were added. The resulting soln. was used as Na K chromosalicylate (III). I 18.8 g. in 100 ml. of water was diazotized with NaNO<sub>2</sub> and HCl, then coupled with II 18.9 g. in 100 ml. of water contg. 4 g. NaOH and 6 g. Na<sub>2</sub>CO<sub>3</sub>. The mixt. was stirred for 2 hrs. and filtered giving 108 g. of a black paste. It was suspended in 1200

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of water and treated with III at 100° for 8 hrs. NaCl 280 g. was added and a bluish gray dye, 50 g., was filtered off at 40°. I was diazotized and coupled, as above, with 2-phenyl-3-methyl-5-pyrazolone 19.5 g. The product was a red paste (IV), 103 g. It was treated with III as above giving 52 g. of orange-brown powder. IV 73 g. was suspended in 1200 ml. of water and treated with Co sulfate 15 g. and tartaric acid 3.75 g. dissolved in water 100 ml., NaOH 17 g. in water was added, and the mixt. was heated to 70° for 8 hrs. NaCl 225 g. was added and hot filtration gave a reddish yellow dye 50 g. I was diazotized, as above, and mixed at 5° with acetoacetic acid o-chloroanilide 23 g. in 200 ml. of water contg. 4 g. NaOH and 6 g. Na<sub>2</sub>CO<sub>3</sub>. The intermediate 150 g. was treated with Co sulfate and tartaric acid, as above. The product was a yellowish brown dye 45 g. I was diazotized as previously and coupled at 10° with 2-naphthol 15 g. in 180 ml. of water contg. 4.2 g. NaOH. The intermediate 140 g. was treated with Co sulfate and tartaric acid, as above. Filtration gave a violet dye 35 g. The quality of dyes thus prepd. equalled that of the non-Polish brands.

g-g

TRZASKA, Bronislaw

Laryngeal diphtheria in the material of infectious clinics in Gdansk observed during 1946-53 with special reference to diagnosis and therapy. Przegl. epidem., Warsz. 10 no.3:251-264 1956.

1. Z Kliniki Chorob Zakaznych A.M. w Gdansku, Kierownik: prof. dr. W. Bincer.

(DIPHTHERIA, statistics,  
laryngeal, hosp. statist. (Pol))

TRZASKA, Bronislaw (Gdansk)

Data of the Gdansk Clinic of Infectious Diseases on amebiasis.  
Wiadomosci parazyt., Warsz. 2 no.5 Suppl:29-30 1956.

1. Klinika Chorob Zakaznych A.M.  
(AMEBIASIS, epidemiology,  
in Poland (Pol))

*TRZASKA, B.*

TRZASKA B.

Wielokrotne zapalenie opon móżgowodzeniowych na tle pneumokokowym.  
/Recurrent cerebrospinal meningitis of pneumococcal origin/  
Pediat. polska 24:8 Aug 50 p. 704-13.

1. Of the Clinic for Infectious Diseases of Gdanak Medical Academy (Director—Acting Prof. W. Binorr, M.D.).  
CLML Vol 20, No. 2 Feb 1951

TRZASKA, Bronislaw

Clinical characteristics of the so-called Asian influenza. Polski tygod. lek. 14 no. 34:1586-1590 24 Aug 59.

1. (Z Kliniki Chorob Zakaznych AMI w Gdansk; kierownik: prof. dr W. Bincer).  
(INFLUENZA, Asian)

BINCER, Wiktor, prof. dr. med.; SKIBINSKA, Teresa; TRZASKA, Bronislaw.

Causal aspects in the treatment of virus diseases. Pol. tyg.  
lek. 20 no.12:449-451 22 Mr '65

1. Z Kliniki Chorob Zakaznych Akademii Medycznej w Gdansk  
(kierownik: prof. dr. med. W. Bincer).

KURYLOWICZ, W.; TRZASKA-NIEDZWIĘCKA, I.; SLOPEK, S.

Types of Shigella in Poland; preliminary report. Med.dosw.mikrob.  
2 no.2:202-204 1950. (GLML 20:6)

1. Summary of the report given at 10th Congress of the Polish Microbiological and Epidemiological Society held in Gdansk, Sept. 1949. (Warsaw-Krakow.)

TRZASKA-PAULLENICZ, Krytyna; NOWCIN, Zdzislaw

The treatment of acute forms of pulmonary tuberculosis using classical chemotherapy as a 1st attempt in providing a cure.  
Gruzlica 32 no.11:967-970 N '64

1. Z Katedry i Kliniki Ftizjatrii Studium Doskonalenia Lekarzy Akademii Medycznej w Szpitalu im. dr. A. Sokolowskiego w lodzi (Kierownik: prof. dr. med. M. Zieraki).

TRZASKI, Henryk

Model desinging. Przem chem 39 no.12:740-747 D '60.

1. Biuro Projektow Przemyslu Farmaceutycznego, Warszawa

TRZASKI, Henryk; SZYMCZAK, Leon;

Technological and economic aspects of caprolactam production methods. Pt.2. Polimery tworzyw 8 no.9:321-325 '63.

1. Instytut Chemii Ogólnej, Warszawa.

TRZASKI, Henryk; SZYMCZAK, Leon

Technological and economic aspects of caprolactam production  
methods. Pt.2. Polimery tworzyw wielk 8 no.9P321-325 '63.

1. Instytut Chemii Ogólnej, Warszawa

TRZASKI, Henryk; SZYMCZAK, Leon

Technical and economic aspects of caprolactam production methods.  
Pt. 1. Polimery tworzy wielk 8 no.5:173-175 My '63.

1. Instytut Chemii Ogólnej, Zakład Badan Ekonomicznych, Warszawa.

TRZASKI, Mieczysław; WOYTCWICZ, Jerzy

A micromethod for the determination of total and direct bili-  
rubin concentration in the blood serum of newborn infants.  
Pol. tyg. lek. 19 no.21:795-797 18 My'64

1. Z Laboratorium Centralnego Szpitala Klinicznego MSW  
w Warszawie; kierownik: dr. farm. M. Trzaski.

FRZASKI, M

Arbutin in domestic species of the genus *Urtica*.  
M. Frzaski. *Polish Arkh. Botany* (1954) 10: 101-102. *Russk. Nauch.-Issled. Dneprotsekov. Prace*, 4, 43-44 (1954).— The presence of arbutin in a series of samples of 3 plants: *U. dioica*, *U. urens*, and *U. nigricans*, was studied. The quantities of arbutin glycoside were 5.4 and 6.2% respectively in conditions of storage over 17 months.

TRZASKI, M.

(2)  
Arbutin in local species of the *Vaccinium* genus. M. Trzaski  
(*Prace Kom. Nauk. farm. polsk. Akad.*, 1952, 4, 43-70).—  
The leaves of *Vaccinium vitis idaea*, *V. myrtillus*, and *V. uliginosum*  
(*Ericaceae*) were examined for their arbutin content, and methods  
for determining the glycoside (viz., dichromate, polarimetric, and  
direct and indirect iodometric methods) were compared. The  
dichromate method was found to be the most accurate, but not  
applicable to raw materials containing methyl arbutin which has the  
same medicinal properties. The total glycoside content can be  
calculated from the results obtained by both the polarimetric and  
dichromate methods. The samples examined showed no appreciable  
loss of arbutin on storage for 1-3 years. Owing to their relatively  
high glycoside content, these materials are valuable for use as  
disinfectants of the urinary tract. A. STORFER.

TRZASKI, Roman

The technological potential of the Boring Machinery and Equipment Works. Wlad naft 8 no.8:181-182 Ag '62.

TRZASKOWSKI, J.

AGRICULTURE

periodicals: PRACE IHI NA R. ROZKICZON. POLSKI A RYCHOWAL ANIMAL.  
SERIA F: MONOGRAFIE. Vol. 82, 1959.

TRZASKOWSKI, J. Studies on Polish red cattle of the Rarica breed.  
p. 105.

Monthly List of East European Accessions (HEAI) LC Vol. 8, no. 5  
May 1959, unclass.

POLAND / Farm Animals, Cattle

Q-2

Abs Jour : Ref Zhur-Biol., No 6, 1958, 26115

Author : Szcąskin-Krotow W., Lowicki Cz., Trzaskowski J.

Inst : Not given

Title : The Studies of the Polish Red Broed Cattle of the Wysokie Mazowieckie District (Issledovaniya pol'skogo krasnogo krupnogo rogatogo skota Vysoko-Mazovetskogo uyezda)

Orig Pub : Roczn. nauk rolniczych, 1955, D72, 223 s.

Abstract : The article presents a vast monograph-size study, containing characteristics of the climatic, soil, and economic conditions of raising these cattle, of its milk productivity and live weight, of the related family groups and strains, as well as data on the cows and bulls of the herd. The Polish Red cattle is most suitable under conditions prevailing

Card 1/2

9

POLAND / Farm Animals, Cattle

Q-2

Abs Jour : Ref Zhur-Biol., No 6, 1958, 26115

Abstract : in the northeastern part of Poland. In certain characteristics it is close to the Red Stoppe cattle of the USSR, though it has a higher percentage of butterfat in the milk, and a better developed chest. Its valuable properties are ability for rapid milk yield and fattening, as well as longevity. Out of all breeds of the Red cattle of Poland, this breed most of all, reminds one of primitive cattle by its color.

Card 2/2

TRZASKOWSKI, Stanislaw; KUZMA, Wacław; HANUSZKIEWICZ, Henryk

Right diaphragmatic hernia. Polski przegl. radiol. 20 no.1:  
37-40 Jan-Feb 56.

1. Z Zakładu Radiologii A M w Łodzi. Kier. doc. dr. W.  
Trzetrzewinski z III Kliniki Chirurg. A M w Łodzi. Kier. prof  
dr. W. Tomaszewicz i z Pracowni Radiolog. Szpitala Miejskiego  
w Kutnie Dyrektor dr. J. Perkowicz. Stanisław Trzaskowski,  
Łódź, ul. Zielona 17 m. 5. Wacław Kuzma, Łódź, ul. Narutowicza  
42. Henryk Hanuszkiewicz, Łódź, ul. Kopcinskiego 22.

(HERNIA, DIAPHRAGMATIC, case reports.

(Pol))

TRZEBIATOWSKI, W.

Met (3)

Metallurgical Abst.  
Vol. 21 Apr. 1954  
Properties of Alloys

Copper-Titanium System. W. Trzbiatowski, G. Berak, and T. Romotowski (*Roczn. Chem.*, 1933, 27, 426-437).—[In Polish]. The existence of five intermetallic compounds ( $Cu_2Ti$ ,  $Cu_3Ti$ ,  $Cu_4Ti$ ,  $CuTi$ , and  $CuTi_2$ ) was established by metallographic, thermal, and X-ray analysis of Cu-Ti alloys in the range 0-75 at.-% Ti.  $Cu_2Ti$ ,  $Cu_3Ti$ , and  $CuTi$  melt congruently at 903°, 932°, and 1014° C., resp.  $Cu_4Ti$  and  $CuTi_2$  are formed by peritectic reactions at 892° and 935° C.  $Cu_4Ti$  decomposes at 872° C. into  $Cu_2Ti + CuTi$ ;  $Cu_3Ti$  at 885° C. into  $CuTi + CuTi_2$ . The solubility of Ti in Cu is 6.5 at.-% at 870° C., 2.4 at.-% at 600° C., and 1.3 at.-% at 300° C. Three eutectics exist at 24 at.-% Ti (895°), 29 at.-% Ti (880°), and 70 at.-% Ti (1009° C.). The details of the phase diagram are discussed and compared with the results of other investigators (e.g. Karlsson, *J. Inst. Metals*, 1931, 79, 391; *M.A.*, 18, 764).—S. K. L.

TRZCINA, T.

*gub* 913. INDUCTION FLUORESCENT LAMPS FOR LONGHALLS. Poreciatkowicz, A.  
and Trzcina, T. (Przegl. gorn. (Min. Rov., Stalingrad), Jan. 1956, vol. 12,  
29, 307.)

2

TRZCINA, T.; PERET LAKOWICZ, A.

Polish fluorescent light in mine workings. p. 136

PRZEGLAD GORNICZY. Stowarzyszenie Naukowo-Techniczne Inzynierow i Technikow  
Gornictwa, Katowice, Poland, Vol. 15, No. 3, March, 19 59.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 9, Sept. 1959  
Uncl.

TRZCINA, T.

TRZCINA, T. Fluorescent induction lamps for longwalls. P. 29  
Vol. 12 no, 1 Jan. 1956 Warszawa Poland

SOURCE: East European Accessions List (EEAL) Vol. 6 No. 4 April 1957

TABLE 1.

1417

621.327.43:622.47

2

Peredlatkowicz A., Trzcina T. Lighting Wall Excavations with Fluorescent Lamps.

„Pierwsze w Polsce lampy fluorescencyjne dla oświetlenia wyrobisk ścianowych”. Przegląd Górniczy No. 6, 1955, Biul. GIG, pp. 13-17, 12 figs., 1 tab.

file  
copy

The prototype of a fluorescent lamp. Results of application of various reflectors. Tests carried out below ground. The illumination at the face was found to be of the order of 2 lux. The performance of the new lamps conforms almost exactly with lighting standards for excavations.

TRZCINA, Tadeusz, mgr inż.

Mercury vapor lamps for the mining industry. Przegl gorn  
20 no.10:Supplement:Biul glow inst gorn 14 no.2:14-17 '63.

OLAKOWSKI, Tadeusz; TRZCINSKA, Romana; MORAWSKI, Franciszek; PESKA,  
Stanislawa

Use of gamma globulin in preventing viral hepatitis in a  
tuberculosis sanatorium for adolescents. Przegl epidem. 18  
no.2:209-217 '64.

1. Z Wojewodzkiej Stacji Sanitarno-Epidemiologicznej w Aninie  
(Dyrektor: dr med. J. Zasztowt); Z Młodzieżowego Sanatorium  
Przeciwwgruzliczego w Dziekanowie Lesnym (Dyrektor: dr med.  
J. Lutz) oraz z Młodzieżowego Sanatorium Przeciwwgruzliczego im.  
Okrzei w Otwocku (Dyrektor: dr med. F. Morawski).

TRZCINSKA-DABROWSKA, Zofia

Brucellar chorioretinitis. Klin.ocsna 30 no.4:389-391 '60.

1. Z Zakladu Okulistyki S.D.L. przy A.M. w Warszawie, Kierownik:  
prof.dr med. W.Arkin.

(RETINITIS etiol)  
(BRUCELLOSIS compl)  
(CHOROID dis)

TRZCINSKA-DABROWSKA, Zofia

Glycogen in histochemical studies. Pat. polska 7 no.2:  
123-127 Apr-June 56.

1. Z Zakladu Okulistyki IDSKL. Kierownik: prof. dr. W. Arkin,  
Adres autora: Warszawa 22, Cornickiego 3, m. 2.

(GLYCOGEN, determination,  
staining method (Pol))

(STAINS AND STAINING,  
of glycogen (Pol))

TRZCINSKA-DABROWSKA, Zofia

An attempt to replace the cornea with cartilage. Klin. oznaka 35  
no.1:19-22 '65.

1. Z Kliniki Okulistycznej Studium Doskonalenia Lekarzy w  
Akademii Medycznej w Warszawie (Kierownik: prof. dr. med.  
W. Arkin).

TRZCINSKA-DABROWSKA, Zofia

Histochemical trsts on the content of some coenzymes in normal and pathological lenses. Klin. oczna 32 no.3:221-224 '62.

1. Z Kliniki Okulistycznej Studium Doskonalenia Lekarzy AM w Warszawie  
Kierownik: prof. dr med. W. Arkin.  
(COENZYMES) (LENS, CRYSTALLINE)

ARKIN, Wiktor; CZERSKI, Przemyslaw; TRZCINSKA-DABROWSKA, Zofia

Experimental tests on the corneal graft survival problem on the basis of observations of changes in sexual structural of the graft cell nucleus. Klin. oczna 32 no.3:209-214 '62.

1. Z Katedry Okulistyki Studium Doskonalenia Lekarzy Kierownik: prof. dr med. W. Arkin Z Katedry Histologii i Embriologii AM w Warszawie Kierownik: doc. dr med. K. Ostrowski.

(CORNEAL TRANSPLANTATION) (CELL NUCLEUS) (SEX CHROMATIN)

TRZCINSKA-DABROWSKA, Zofia

Biological properties of the corneal epithelium transplanta-  
tion into various sites of the organism. Klin. oczna 33 no.3/4:  
355-366 '63.

1. Z Kliniki Okulistycznej SDL w AM w Warszawie Kierownik:  
prof. dr med. W. Arkin.  
(CORNEAL TRANSPLANTATION)

TRZCINSKA-DABROWSKA, Zofia

2 cases of conjunctival lymphoma. Klin. oczna 33 no.2:191-196  
'63.

1. Z Kliniki Okulistycznej Studium Doskonalenia Lekarzy w AM  
w Warszawie Kierownik: prof. dr med. W. Arkin.  
(CONJUNCTIVA) (EYE NEOPLASMS) (LYMPHOMA)

EXCERPTA MEDICA Sec.12 Vol.9/11 Ophthalmology Nov55

1827. TRZCIŃSKA-DĄBROWSKA Z. Zakł. Anat. patol., Szpit. Miejskiego nr 4, Warszawa; Klin. chor. Oczu A. M., Warszawa; Odd. Chor. Oczu Szpit. Miejskiego nr 4, Warszawa, \* Czerniaki narządu wzroku. Melanomas of the eye POST. OKULISTYKI 1954, 1 (184-197) Illus. 12

The classification is discussed. Forty-six personal cases are represented. Chiefly large intraocular tumours were found which suggests rather late diagnosis. They were found among persons aged usually 40-50 yr. Thirty-four were located in the choroidal tissue. In each case of retinal detachment one should suspect tumour. In the majority they consisted of mixed cells, which corroborates Masson's theory. The appearance of epithelial cells indicates a malignant character. The fibres of the reticulum are important for the diagnosis and prognosis. Those with great amounts of fine fibres are more pernicious and easily metastasize.

Szmyt - Łódź (XII, 5, 16)

TRZCINSKA-DABROWSKA, Zofia (Warszawa, ul. Gornickiego 3 m.2)

Anatomo-pathological considerations on a case of keratoplasty.  
Polski tygod. lek. 9 no.39:1265-1267 27 Sept 54.

1. Z Oddzialu Ocznego Instytutu Doskonalenia i Specjalizacji Kadry  
Lekarskich; kierownik: doc. dr Wiktor Arkin.

(CORNEAL TRANSPLANTATION,  
anat. & pathol. of graft)

TRZCINSKA-DABROWSKA, Zofia; KOSOWICZ, Halina

Optic neuritis according to data of the Ophthalmologic Clinic  
of the School of Postgraduate Medical Education in 1954-1962.  
Klin. oczna 34 no.4:383-390 '65.

1. Z Kliniki Okulistycznej Studium Doskonalenia Lekarzy Akademii  
Medycznej w Warszawie (Kierownik: prof. dr. med. W. Arkin).

TRZCINSKA-DABROWSKA, Zofia; GORA, Maria

Incontinentia pigmenti. Klin. cozna 34 no.4:413-418 '65.

1. Z Kliniki Okulistycznej (Kierownik: prof. dr. med. W. Arkin);  
i z Kliniki Stomatologii Studium Doskonalenia Lekarzy w Akademii  
Medycznej w Warszawie (Kierownik: prof. dr. med. F. Boldanowicz).

ACF, .

before the jubilee anniversary. . . .  
SHANNON, John, Arizona, Vol. 1, No. 1, Jan. 1955.

See: Monthly List of West European Accidents, ( ), Vol. 1, No. 1, Jan. 1955,  
Incl.

TRZCINSKI, A.

"The turbulent wires." p. 91 (Skrzydla I Motor, Vol 8 No 6 Feb 53 Warszawa)

SO: Monthly List of East European Accessions, Vol 2 No 9 Library of Congress Sept 53 Uncl

TRZCINSKI, A.

"The small Gil." p. 61

(Skrzydla I Motor, Vol 8 No 4 Jan 53 Warszawa)

SO: Monthly List of East European Accessions, Vol 2 No 9 Library of Congress Sept 53 Uncl

CA

17

Tobacco fermentation. W. Trzcinski (Inst. Plant Phys  
iol., S.G.G.W., Warsaw, Poland). *Przemysl Rolny*  
*Spis. 4, 233-8 (1950)* — A review and the description of tech  
nological methods used in the Polish tobacco industry.  
W. Szybalaki

1961

BC

B-III-1

**Viability of weed seeds in ordinary stall manure and in that created by the Kraus method. W. Tancigiani (Rosa: Arch. zool. bot., 1938, 26, 313-320; Biol. Centr., 1938, A, 5, 434).--Hot-fermented manure contained no live seed. A considerable no. of seed of certain species survived in stall manure. A. U. P.**

A 50-51 A METALLURGICAL LITERATURE CLASSIFICATION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
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7224  
KURYLOWICZ, W.; TRZASKOWSKA-NIEDZWIECKA, I.; SLOPEK, S.

Frequency of Shigella in suspected cases of typhoid. Med.dosw.mi-  
krob. 2 no.2:201-202 1950. (CML 20:6)

1. Summary of the report given at 10th Congress of the Polish Mi-  
crobiological and Epidemiological Society held in Gdansk, Sept.  
1949. (Warsaw-Krakow.)

TRZASKOWSKI, Stanislaw; SIENKIEWICZ, Franciszek

Two cases of stomach polypi. Polski tygod. lek. 10 no.21:694-698  
23 My '55.

1.(Ze Szpitala Miejskiego w Kutnie, dyr. dr med. J. Perkowicz)  
Lodz.ul. Zielona 17 m. 5.

(STOMACH, neoplasms  
polypi, diag. & surg.)

(POLYPI  
stomach, diag. & surg.)

TRZASKOWSKI, Stanislaw

Spontaneous megaesophagus. Polski przegl.radiol.19 no.2:101-105  
Apr-June '55.

1. Z Pracowni Radiologicznej Szpitala Powiatowego w Kutnie.  
Dyrektor: dr J. Perkowicz. Kutno, ul.Lelewela 13 m 2.

(ESOPHAGUS, diseases  
megaesophagus, spontaneous, pathol.)

TRZASKOWSKI, Stanislaw.

Case of asymptomatic air cyst of the lung. Polski przegl.radiel.  
19 no.3:141-146 July-Sept '55.

1. Z Pracowni Radiologicznej Szpitala Powiatowego w Kutnie.  
Dyrektor: dr. J.Perkowicz.

(LUNGS, cysts,  
air cyst, latent)

(CYSTS,  
air cyst of lung, latent)

TRZASZCZKA-KRASUSKA, A

Poland /Chemical Technology. Chemical Products  
and Their Application

I-17

Industrial synthesis of dyestuffs

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 32148

Author : Trzaszczka-Krasuska A.

Title : New Metal-Containing Dyestuffs

Orig Pub: Przem. chem., 1956, 12, No 6, 332-336

Abstract: By combining diazotized 2-aminophenol-4-sulfamide (I) with various azo-components monoazo-dyes were synthesized which on subsequent treatment with Co- or Cr-yielding agents were converted to the corresponding complex compounds containing 1 atom of the metal per 2 molecules

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Poland /Chemical Technology. Chemical Products  
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of the dyestuff. These Cr- and Co-complexes dye wool, silk, polyamide and polyurethane fibers, from a neutral or slightly acid bath, different shades which exhibit good fastness properties: to water t, alkali 4-5, to laundering at 80° 4-5, to alkaline fulling 4-5, to scouring 4-5, to acetic acid 4-5, to carbonizing 4-5 and to light 6-7. Absorption spectra of the obtained dyestuff complexes in the 200-800 m $\mu$  region are given. Intermediates for the synthesis of these dyestuffs were also prepared. To 816 g ClSO<sub>3</sub>H are added, at 20°, 160.7 g 98% o-chloronitrobenzene, sulfonation is conducted for 7 hours at 100° and after cooling the mixture

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Poland /Chemical Technology. Chemical Products  
and Their Application

I-17

Industrial synthesis of dyestuffs

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 32148

is poured on ice to separate 2-nitrochlorobenzene-4-sulfochloride which is washed with 2 liters of water, yield 79%, MP 59° (from ether). 256 g 2-nitrochlorobenzene-4-sulfochloride and 1000 ml of 4% solution of NH<sub>3</sub> are heated 4 hours at 40° and filtered to separate the 95% 2-nitrochlorobenzene-4-sulfamide, yield 88%, MP 175° (from water). 236.5 g 100% 2-nitrochlorobenzene-4-sulfamide are added to 1150 g of 12% NaOH, at 50°, and heated 9 hours at 100°, on completion of the reaction the batch is cooled, acidified with 310 ml of approximately 30% HCl, until it is acid to Congo, and a 94% 2-nitrophenol-4-sulfamide

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Poland /Chemical Technology. Chemical Products  
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I-17

Industrial synthesis of dyestuffs

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 32148

is obtained with a yield of 88%, MP 202-208 .  
232 g of 94% 2-nitrophenol-4-sulfamide and 70 g  
iron filings are added within 2 hours, at a  
boil and with stirring, to a mixture of 800 ml  
water, 10 ml dilute  $\text{CH}_3\text{COOH}$  and 150 g iron fil-  
ings, 145 g of 42% NaOH and 400 ml water are  
added, the iron sludge is filtered off and by  
acidifying the filtrate with 160 ml concentrated  
HCl, a 97% I is separated with a yield of 59%  
MP 199°. 223 g 100% 1-naphthylamine-6(7)-  
sulfonic acid are added with stirring to 880 g  
of fused NaOH, at 260°, the fusion is continued

Card 4/9

Poland /Chemical Technology. Chemical Products  
and Their Application

I-17

Industrial synthesis of dyestuffs

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 32148

for an additional period of about 3.5 hours at 255-265°, cooled to 100°, diluted with 500 ml water, and on acidifying the cold solution with 2500 ml concentrated HCl a 74% 1-amino-7-naphthol is separated with a yield of 50%, MP above 200° (decomposition). To 159 g 100% 1-amino-7-naphthol in 1 liter C<sub>6</sub>H<sub>6</sub> are gradually added, at a temperature not exceeding 25°, 475 g (CH<sub>3</sub>CO)<sub>2</sub>O and on completion of the reaction a 74% 1-acetylamino-7-naphthol (II) is filtered off, yield 82%, MP 164-165°. 18.8 g 100% I are dissolved in 15 g concentrated HCl and 200 ml water and diazo-

Card 5/9

Poland /Chemical Technology. Chemical Products  
and Their Application

I-17

Industrial synthesis of dyestuffs

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 32148

tized, at a temperature not exceeding 10°, with 25 g of a 32% solution of  $\text{NaNO}_2$ , excess  $\text{HCl}$  is neutralized with a solution of soda, and added all at once to a solution of 18.9 g 100% II in 100 ml 4% aqueous  $\text{NaOH}$  and 6 g soda, at 10-12° the coupling is completed within approximately 20 minutes, stirring is continued for 2 additional hours and by filtration there are separated 108 g of a black azo-dye paste which is dissolved in 1200 ml water 12.4 g 43.3%  $\text{Cr}_2\text{O}_3$  are added to a mixture of 85 ml water and 7 g concentrated  $\text{H}_2\text{SO}_4$ , boiled 20 minutes, 19.6 g salicylic acid are added, boiling is continued

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Poland /Chemical Technology. Chemical Products  
and Their Application

I-17

Industrial synthesis of dyestuffs

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 32148

for 10 minutes more, after which a mixture of 18 ml 25% NaOH, 18 ml 34% KOH and 100 ml water, is added. The resulting solution of KNa-chromocalicylate is added to the above-stated solution of the dye and stirred for 8 hours at 100° after which it is salted out with 260 g NaCl and cooled to 40° to separate 50 g of Cr-complex of the I → II dyestuff, which dyes cotton fibers (CF) grey. To a solution of 19.5 g 1-phenyl-3-methyl-pyrazolone-5 (III) in 100 ml water, 4 g NaOH and 6 g soda, is added the diazonium solution prepared from 18.8 g 100% I, as described above; by an analogous treatment with a chromium

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Poland /Chemical Technology. Chemical Products  
and Their Application

I-17

## Industrial synthesis of dyestuffs

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 32148

compound of 103 g of paste of the resulting dye-  
stuff there are obtained 52 g of the Cr-Complex  
of the I → III dyestuff; an orange-brown powder  
that dyes CF orange. 73 g of paste of the  
I III dyestuff are dissolved in 1200 ml water,  
a solution of 15 g  $\text{CoSO}_4$  and 3.75 g  $\text{CH}_3\text{COOH}$  in  
100 ml water, is added, followed by 17 g 27%  
NaOH, the mixture is stirred for 6 hours at  $70^\circ$ ,  
and 225 g NaCl are used to salt out 50 g of the  
Co-complex of the I → III dyestuff; yellow pow-  
der which dyes CF reddish-yellow. Analogously  
from I and 23 g o-chloranilide of acetoacetic  
acid (IV) are obtained 45 g of Co-complex of the

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